



Symbol PocketBrowser



Product Reference Guide

Symbol PocketBrowser Product Reference Guide

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About This Guide

Introduction

The Symbol PocketBrowser Product Reference Guide provides information about using and developing for the Symbol PocketBrowser custom HTML viewer.

Notational Conventions

This document uses these conventions:

- “terminal” refers to any model of PDT 8100 or PPT2800.
- “User” refers to anyone using Symbol PocketBrowser.
- “You” refers to the End User, System Administrator or Technical Support person using this manual as a reference to install, configure, develop and troubleshoot Symbol PocketBrowser.
- *Italics* are used to highlight specific items in the general text, and to identify chapters and sections in this and related documents. It also identifies names of screens, menus, menu items, and fields within screens.
- `Courier text` identifies source code snippets or sections.
- Bullets (•) indicate:
 - lists of alternatives or action items.
 - lists of required steps that are not necessarily sequential.
- Numbered lists indicate a set of sequential steps, i.e., those that describe step-by-step procedures.

Related Documents

The following documents provide more information useful for using Symbol PocketBrowser.

- *PDT 8100 Series Product Reference Guide for Pocket PC 2002*, p/n 72-55034-01
- *PPT 2800 Series Product Reference Guide for Pocket PC 2002*, p/n 72-54894-01
- *Symbol Software Developer's Kit (SDK) for the PDT 8100 Pocket PC 2002*, available at <http://Software.Symbol.com/DevZone>.

- *Symbol Software Developer's Kit (SDK) for the PPT 2800 Pocket PC 2002*, available at <http://Software.Symbol.com/DevZone>.

Support Information

If you have a problem with Symbol PocketBrowser, contact the Symbol Support Centre.

Symbol Support Centres

For service information, warranty information or technical assistance contact or call the Symbol Support Centre in:

United Kingdom

Symbol Technologies
Symbol Place
Winnersh Triangle, Berkshire RG41 5TP
United Kingdom
0800 328 2424 (Inside UK)
+44 118 945 7529 (Outside UK)

If you purchased your Symbol product from a Symbol Business Partner, contact that Business Partner for service.

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Warranty Coverage and Procedure

During the warranty period, Symbol will repair or replace defective products returned to Symbol's manufacturing plant in the US. For warranty service in North America, call the Symbol Support Centre at 1-800-653-5350. International customers should contact the local Symbol office or support centre. If warranty service is required, Symbol will issue a Return Material Authorization Number. Products must be shipped in the original or comparable packaging, shipping and insurance charges prepaid. Symbol will ship the repaired or replacement product freight and insurance prepaid in North America. Shipments from the US or other locations will be made F.O.B. Symbol's manufacturing plant. Symbol will use new or refurbished parts at its discretion and will own all parts removed from repaired products. Customer will pay for the replacement product in case it does not return the replaced product to Symbol within 3 days of receipt of the replacement product. The process for return and customer's charges will be in accordance with Symbol's Exchange Policy in effect at the time of the exchange. Customer accepts full responsibility for its software and data including the appropriate backup thereof. Repair or replacement of a product during warranty will not extend the original warranty term. Symbol's Customer Service organization offers an array of service plans, such as on-site, depot, or phone support, that can be implemented to meet customer's special operational requirements and are available at a substantial discount during warranty period.

General

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property. Some states (or jurisdictions) do not allow the exclusion or limitation of incidental or consequential damages, so the proceeding exclusion or limitation may not apply to you.

Chapter 1

Getting Started

Introduction

This chapter explains how to install and explains the standard demonstration application.

Installing Symbol PocketBrowser

To install Symbol PocketBrowser, you must first connect the target terminal to your desktop computer and allow Microsoft ActiveSync to establish a connection (there is no need to create a partnership, you may connect as a guest if you so wish). After the ActiveSync connection has been established, double click on the set-up file from windows explorer on your desktop computer. The set-up application will then display some information about the software package followed by a prompt for you to agree to the terms and conditions of the End User Licence Agreement (EULA). If you agree to the EULA click “I agree” to continue, or select “Disagree” and the installation process will terminate without installing Symbol PocketBrowser. Set-up will now launch the Pocket PC Add/Remove programs wizard which will prompt you whether to install Symbol PocketBrowser into the standard destination folder or for you to select your own, choose the standard installation folder. The wizard will proceed to install Symbol PocketBrowser on the destination terminal.

After the installation Symbol PocketBrowser will be installed in the program files folder and a shortcut will be created on the start menu. Symbol PocketBrowser will also be installed into the non-volatile memory, this allows the program to remain on the device even if the battery runs flat or the terminal is cold booted.

For information on customising the installation process see the section *“Commissioning Symbol PocketBrowser”*.

Standard Demonstration Application

Installed with the standard installation are a number of html files which make up the demonstration application. If you launch Symbol PocketBrowser without changing

the homepage of Pocket IE, Symbol PocketBrowser will display the demo menu. From this menu you can select various pages either by using the stylus to click on the appropriate hyperlink or if you have a PDT8100 you can use the corresponding function key. The demonstration application HTML files can be retrieved from the device and used to see how to use many of the features of Symbol PocketBrowser.

Chapter 2

Developing for Symbol PocketBrowser

Introduction

Symbol PocketBrowser is an intranet/internet browser based on Microsoft's Pocket IE. It supports the following:

- HTML v3.2
- XML / XSL
- WML
- JavaScript 1.2
- ActiveX components
- Other web technologies (see Microsoft's website for further information)

You should be aware that the following are not supported:

- DHTML
- Java Applets

In addition to the features of Pocket IE, Symbol PocketBrowser provides interfaces to the terminal hardware and related features via the use of proprietary META tags and ActiveX components specific to Symbol hardware. The META tags will be interpreted by Symbol PocketBrowser and will be ignored by other browsers.

The following section provides details and examples of the available META tags and ActiveX Components.

Home Key Tag

HTTP-Equiv="HomeKey"

When enabled, Symbol PocketBrowser will navigate to the home page specified in the registry key "HKEY_CURRENT_USER\Software\Microsoft\Internet Explorer\Main\Start Page", when the F5 key is pressed.

Parameters

Content="Enabled"
"Disabled"

Remarks

This tag will affect all subsequent pages, until the tag is included on a page with the disabled parameter.

This can also be achieved using the On Key Tag.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="HomeKey" content="Enabled">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
  ...
</BODY>
</HTML>
```

See Also

- On Key Tag
- NoSIP – OnKeyPress
- NoSIP – OnKeyDown
- NoSIP – OnKeyUp
- NoSIP – OnChange

Application Tag

HTTP-Equiv="Application"

The “Quit” parameter closes Symbol PocketBrowser after the page that contains the tag is fully loaded.

Parameters

Content="Quit"

Remarks

It is advisable to have a page including this tag with the “Quit” parameter somewhere within your site, as a means of exiting the application; this will allow the configuration of the device, should the eventuality arise. This could be behind some form of user authentication, so that only administrator can access the OS.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="Scanner" content="Disabled">
  <META HTTP-Equiv="Application" content="Quit">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  <p align="center"><B>Symbol PocketBrowser</b></p>
  <TABLE ALIGN="left" BORDER=0 CELLSPACING=0 CELLPADDING=0
WIDTH="100%">
    <TR ALIGN="center" VALIGN="middle">
      <TD colspan=2><small>Copyright &copy; 2002 Symbol
Technologies Ltd.</small></TD>
    </TR>
  </TABLE>
</BODY>
</HTML>
```

See Also

- Power On Tag
- Reboot Tag
- Writing to the Registry
- Deleting from the Registry
- Commissioning Symbol PocketBrowser

Power On Tag

HTTP-Equiv="PowerOn"

When included on a page, the device will navigate to the link, or call the JavaScript function, specified as the parameter when the device is powered on.

Parameters

Content="URL to navigate to/JavaScript[Format]"

Remarks

This tag is page specific, and will only apply on the page that specifies it.

This tag can be used for additional security; i.e. you could supply a link to a login screen as the parameter, which will mean the user would need to verify their credentials should the device go into suspend mode.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="PowerOn"
content="../login.asp?returnlink=additem.asp&uid=user">

  <!-- or -->

  <META HTTP-Equiv="PowerOn" content="Javascript:OnPowerOn(); ">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
</BODY>
<SCRIPT>
function OnPowerOn()
{
    alert('Hello');
}
</SCRIPT>
</HTML>
```

See Also

- Application Tag
- Reboot Tag
- Writing to the Registry
- Deleting from the Registry
- Commissioning Symbol PocketBrowser

On Key Tag

HTTP-Equiv="OnKey0x1A"

When included on a page, the device will navigate to the link specified as the parameter when the key that is mapped to the value specified by the last 4 characters of the HTTP-Equiv value. The value specified for the key mapping must be in hex and must be in the format 0xNN, where NN specifies the hex number.

Parameters

Content="URL to navigate to/Javascript[Format]"

Remarks

This tag is page specific, and will only apply on the page that specifies it.

The key values for each terminal can be found in the Product Reference Guide for that device. Key Mappings can be customised, for information on how to customise key mappings see the SDK for that device. To download the PRG point your web browser at www.symbol.com/manuals or for the SDK's go to <http://devzone.symbol.com>.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="OnKey0x21" content="/noSIP.htm ">
  <META HTTP-Equiv="OnKey0x22" content="/scaninput.htm">

  <!-- or -->

  <META HTTP-Equiv="OnKey0xBD" content="Javascript:OnKey();">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
</BODY>
<SCRIPT>
function OnKey()
{
    alert('Key Pressed.');
```

See Also

- Home Key Tag
- NoSIP – OnKeyPress
- NoSIP – OnKeyDown
- NoSIP – OnKeyUp

NoSIP – OnChange

Error Navigate Tag

HTTP-Equiv="ErrorNavigate"

When included on a page, the device will navigate to the link, or call the JavaScript function, specified as the parameter when an error condition arises.

Parameters

Content="URL to navigate to/JavaScript[Format]"

When specifying the URL or JavaScript place "%s" where you wish the error number and error string to be placed. For example,

"http://10.10.10.1/error.htm?number=%s&string=%s" The first occurrence of "%s" will be replaced by the error number and the second will be replaced by the error string.

Remarks

This tag is page specific, and will only apply on the page that specifies it.

This tag can be used for trapping/handling errors.

If the tag is not specified any error that occurs will display a message box.

It is advisable to include the error tag as the first Meta tag on a page, this will trap any errors that may occur whilst parsing further tags.

You should be cautious specifying a JavaScript function to trap any errors. The function may be called at any time after it has been parsed, if the body of the function has not been parsed when the function is called it will cause a JavaScript error to occur.

To cancel all errors so the user will not receive notification of any errors, specify a JavaScript variable assignment. I.e. content="Javascript:var IgnoreErrors='%s%s' "

You must ensure that there are no more than 2 occurrences of "%s" within the contents field as this will result in unreliable results.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="ErrorNavigate"
content="../error.asp?number=%s&string=%s">

  <!-- or -->

  <META HTTP-Equiv="ErrorNavigate"
content="Javascript:alert('Error Number: %s\nError: %s');">
  <TITLE>Symbol PocketBrowser</TITLE>
```

```
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
  ...
</BODY>
</HTML>
```

Scanner Tag

HTTP-Equiv="Scanner"

When enabled, Symbol PocketBrowser will output any scanned data to the keyboard buffer as keyboard messages. Any entry field that has the keyboard focus will receive the scanned data.

If the "AutoEnter" and "AutoTab" parameters are included the browser will append the appropriate key press to the end of the scanned data.

Parameters

```
Content="Enabled"
       "Disabled" (default)
       "AutoEnter" or "AutoTab"
```

Remarks

This tag is page specific, and will only apply on the page that specifies it to be enabled.

Note: Symbol PocketBrowser will not tab to the next field in the tab order; this is due to a limitation of Pocket PC. To overcome this issue use the OnKeyPress event of the NoSIP entry field.

You should disable the scanner when not in use to preserve battery power.

When setting decoder parameters, the Scanner tag should appear after any parameters on the page.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="Scanner" content="Enabled">
  <META HTTP-Equiv="Scanner" content="AutoTab">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  <FORM name="frmNoSIP">
  <TABLE ALIGN="left" BORDER=0 CELLSPACING=0 CELLPADDING=0
  WIDTH="100%">
  <TR ALIGN="left" VALIGN="middle">
    <TD><B>No SIP 1</B>:</TD>
    <TD>
      <OBJECT ID="txtNoSIP" CLASSID="clsid:A72D1405-40C2-11D6-918E-
      00C0DF232EEE" WIDTH=95 HEIGHT=20>
        <PARAM NAME=VALUE VALUE="">
        <PARAM NAME=MAXLENGTH VALUE=30>
        <PARAM NAME=ALIGNMENT VALUE=LEFT>
```

```

        </OBJECT>
    </TD>
</TR>
<TR ALIGN="left" VALIGN="middle">
    <TD><B>No SIP 2</B></TD>
    <TD>
        <OBJECT ID="txtNoSIP1" CLASSID="clsid:A72D1405-40C2-11D6-918E-
00C0DF232EEE" WIDTH=95 HEIGHT=20>
            <PARAM NAME=VALUE VALUE="">
            <PARAM NAME=MAXLENGTH VALUE=30>
            <PARAM NAME=ALIGNMENT VALUE=LEFT>
        </OBJECT>

    </TD>
</TR><TR ALIGN="center" VALIGN="middle">
    <TD colspan=2><small>Copyright &copy; 2002 Symbol Technologies
Ltd.</small></TD>
</TR></TABLE>
</BODY>
<SCRIPT LANGUAGE=JAVASCRIPT>
    txtNoSIP.SetFocus();
</SCRIPT>
<SCRIPT LANGUAGE=JAVASCRIPT FOR="txtNoSIP" EVENT="OnKeyPress(key)">
    if (key == 9) {
        txtNoSIP1.SetFocus();
        return -1; //cancel the key press
    }
    return 0;    // Leave everything else the same
</SCRIPT>
<SCRIPT LANGUAGE=JAVASCRIPT FOR="txtNoSIP1" EVENT="OnKeyPress(key)">
    if (key == 9) {
        txtNoSIP.SetFocus();
        return -1; //cancel the key press
    }
    return 0;    // Leave everything else the same
</SCRIPT>
</HTML>

```

See Also

[Scan & Navigate Tags](#)
[Enabling Symbolologies](#)
[Symbology Parameters](#)

Scan & Navigate Tags

When this tag is present, Symbol PocketBrowser will not process scanned data as keyboard messages, instead it will navigate Symbol PocketBrowser to the link or call the JavaScript function specified in the content parameter of the **"ScannerNavigate"** tag, after a successful decode of a barcode. The data from the scan will be populated into the Querystring replacing '%s' parameters with "data", "source", "type", "time" and "length" values in that order.

Parameters

```
HTTP-Equiv="ScannerNavigate"
Content="URL to navigate to/JavaScript[Format]"
```

Remarks

This tag is page specific, and will only apply on the page that specifies it.

Any data stored in a form on the page will not be added to the Querystring.

You must ensure that there are no more than 5 occurrences of "%s" within the contents field as this will result in unreliable results.

Example

```
<HTML>
<HEAD>
    <META HTTP-Equiv="Scanner" content="Enabled">
    <META HTTP-Equiv="ScannerNavigate"
content="/scan.htm?Data=%s&Source=%s&Type=%s&Time=%s&Length=%s">

    <!-- or -->

    <META HTTP-Equiv="ScannerNavigate"
content="Javascript:OnScan(`'s','%s','%s','%s','%s');">
    <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
    <P align="center"><IMG SRC="symbol.jpg"></P>
    ...
    ...
</BODY>
<SCRIPT>
function OnScan(data, source, type, time, length)
{
    alert('The barcode scanned was ` + data + `\\nThe symbology was
` + source + `\\nScanned at ` + time + `\\nWith a length of ` +
length');
}
</SCRIPT>
</HTML>
```

See Also

- Scanner Tag
- Enabling Symbologies
- Symbology Parameters

Enabling Symbologies

To Enable/Disable a Symbology, use the Decoder Name from the list below as the HTTP-Equiv value and “Enabled” or “Disabled” for the content.

Parameters

```
HTTP-Equiv="Decoder Name"
Content="Enabled" (default) or "Disabled"
```

Valid Decoder Names are:

```
UPCE0, UPCE1, UPCA, MSI, EAN8, CODABAR, CODE39,
D2OF5, I2OF5, CODE11, CODE93, CODE128, TRIOPTIC39,
IMAGE, SIGNATURE, ALL_DECODERS
```

Remarks

Once a Symbology has been enabled or disabled it will remain in that state until directed otherwise or until the application is restarted.

Any data stored in a form on the page will not be added to the Querystring.

Although a Symbology may be listed above, it is not necessarily supported by the device. If a Symbology is attempted to be enabled and is not supported an error will be raised.

Note: When setting decoder parameters, the Scanner tag should appear after any parameters on the page.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="I2OF5" content="Disabled">
  <META HTTP-Equiv="Scanner" content="Enabled">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
</BODY>
</HTML>
```

See Also

- Scan & Navigate Tags
- Scanner Tag
- Symbology Parameters

Symbology Parameters

To set-up a Symbology parameter use the decoder parameter name as the HTTP-Equiv value, and the parameter value for the content.

Parameters

HTTP-Equiv="*Parameter Name*" Content="*Parameter Value*"

Valid parameter names and values for each decoder are:

I2of5 Decoder Parameters	
Parameter Name	Parameter Value
I2OF5-Redundancy	True False
I2OF5-ConvertToEAN13	True False
I2OF5-VerifyCheckDigit	I2OF5_NO_CHECK_DIGIT I2OF5_USS_CHECK_DIGIT I2OF5_OPCC_CHECK_DIGIT
I2OF5-ReportCheckDigit	True False
I2OF5-MinLength	0 to 55
I2OF5-MaxLength	0 to 55

UPCE0 Decoder Parameters	
Parameter Name	Parameter Value
UPCE0-ReportCheckDigit	True False
UPCE0-ConvertToUPCA	True False
UPCE0-Preamble	PREAMBLE_NONE PREAMBLE_SYSTEM_CHAR PREAMBLE_COUNTRY_AND_SYSTEM_CHARS

UPCE1 Decoder Parameters	
Parameter Name	Parameter Value
UPCE1-ReportCheckDigit	True False
UPCE1-ConvertToUPCA	True False

UPCE1-Preamble	PREAMBLE_NONE PREAMBLE_SYSTEM_CHAR PREAMBLE_COUNTRY_AND_SYSTEM_CHARS
----------------	--

UPCA Decoder Parameters

Parameter Name	Parameter Value
UPCA-ReportCheckDigit	True False
UPCA-Preamble	PREAMBLE_NONE PREAMBLE_SYSTEM_CHAR PREAMBLE_COUNTRY_AND_SYSTEM_CHARS

UPC_EAN General Parameters

Parameter Name	Parameter Value
UPC_EAN-SecurityLevel	SECURITY_NONE SECURITY_AMBIGUOUS SECURITY_ALL
UPC_EAN-Supplemental2	True False
UPC_EAN-Supplemental5	True False
UPC_EAN-SupplementalMode	SUPPLEMENTALS_NONE SUPPLEMENTALS_ALWAYS SUPPLEMENTALS_AUTO
UPC_EAN-RetryCount	2 through 8
UPC_EAN-RandomWeightCheckDigit	True False
UPC_EAN-LinearDecode	True False
UPC_EAN-Bookland	True False
UPC_EAN-Coupon	True False

MSI Decoder Parameters

Parameter Name	Parameter Value
MSI-Redundancy	True False
MSI-CheckDigits	MSI_ONE_CHECK_DIGIT MSI_TWO_CHECK_DIGIT
MSI-ReportCheckDigit	True False
MSI-CheckDigitScheme	MSI_CHKDGT_MOD_11_10 MSI_CHKDGT_MOD_10_10

MSI-MinLength	0 to 55
MSI-MaxLength	0 to 55

EAN8 Decoder Parameters

Parameter Name	Parameter Value
EAN8-ConvertToEAN13	True False

UPCE1 Decoder Parameters

Parameter Name	Parameter Value
CODABAR-Redundancy	True False
CODABAR-ClsEditing	True False
CODABAR-NotisEditing	True False
CODABAR-MinLength	0 to 55
CODABAR-MaxLength	0 to 55

CODE39 Decoder Parameters

Parameter Name	Parameter Value
CODE39-VerifyCheckDigit	True False
CODE39-ReportCheckDigit	True False
CODE39-Concatenation	True False
CODE39-FullAscii	True False
CODE39-Redundancy	True False
CODE39-ConvertToCode32	True False
CODE39-Code32Prefix	True False
CODE39-MinLength	0 to 55
CODE39-MaxLength	0 to 55

D2OF5 Decoder Parameters

Parameter Name	Parameter Value
D2OF5-Redundancy	True False

D2OF5-MinLength	0 to 55
D2OF5-MaxLength	0 to 55

CODE11 Decoder Parameters

Parameter Name	Parameter Value
CODE11-Redundancy	True False
CODE11-CheckDigitCount	CODE11_NO_CHECK_DIGIT CODE11_ONE_CHECK_DIGIT CODE11_TWO_CHECK_DIGIT
CODE11-ReportCheckDigit	True False

CODE93 Decoder Parameters

Parameter Name	Parameter Value
CODE93-Redundancy	True False
CODE93-MinLength	0 to 55
CODE93-MaxLength	0 to 55

CODE128 Decoder Parameters

Parameter Name	Parameter Value
CODE128-Redundancy	True False
CODE128-EAN128	True False
CODE128-ISBT128	True False
CODE128-Other128	True False
CODE128-MinLength	0 to 55
CODE128-MaxLength	0 to 55

TRIOPTIC39 Decoder Parameters

Parameter Name	Parameter Value
TRIOPTIC39-Redundancy	True False

Remarks

Once a decoder parameter has been set, it will remain set until directed otherwise, or until the application is restarted.

Note: When setting decoder parameters, the Scanner tag should appear after any parameters on the page.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="I2OF5" content="Enabled">
  <META HTTP-Equiv="I2OF5-Redundancy" content="False">
  <META HTTP-Equiv="I2OF5-ConvertToEAN13" content="False">
  <META HTTP-Equiv="I2OF5-VerifyCheckDigit"
content="I2OF5_NO_CHECK_DIGIT">
  <META HTTP-Equiv="I2OF5-ReportCheckDigit" content="False">
  <META HTTP-Equiv="I2OF5-MinLength" content="4">
  <META HTTP-Equiv="I2OF5-MaxLength" content="12">
  <META HTTP-Equiv="Scanner" content="Enabled">

  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
</BODY>
</HTML>
```

See Also

- Scan & Navigate Tags
- Enabling Symbolologies
- Scanner Tag

Spectrum 24 Signal Strength

HTTP-Equiv="Signal"

When included on a page, a signal strength meter (similar to that of a mobile phone) will be displayed in the top left hand corner of the screen, over the top of the HTML page below.

Parameters

Content="Show"
"Hide"

Remarks

Once shown, the signal strength indicator will not be hidden until directed otherwise.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="Signal" content="Show">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
  ...
</BODY>
</HTML>
```

See Also

Battery Power Indicator
KeyState Indicator

Battery Power Indicator

HTTP-Equiv="Battery"

When included on a page, a battery power meter (similar to that of a mobile phone) will be displayed in the top right hand corner of the screen, over the top of the HTML page below.

Parameters

Content="Show"
"Hide"

Remarks

Once shown, the battery power meter will not be hidden until directed otherwise.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="Battery" content="Show">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
  ...
</BODY>
</HTML>
```

See Also

Signal Strength Indicator
KeyState Indicator

KeyState Indicator

HTTP-Equiv="KeyState"

When included on a page, an Icon will be displayed in the bottom left hand corner of the screen, over the top of the HTML page below. This will indicate the current keyboard state of the hard keyboard.

If used on the PPT 2800 the tag will be ignored.

Parameters

Content="Show"
"Hide"

Remarks

Once shown, the battery power meter will not be hidden until directed otherwise.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="KeyState" content="Show">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
  ...
</BODY>
</HTML>
```

See Also

Signal Strength Indicator
Battery Power Indicator

Reboot Tag

HTTP-Equiv="Reboot"

When included on a page, this tag will cause the device to perform either a cold or warm reboot as specified in the parameters.

Parameters

Content="Warm"

Content="Cold"

Remarks

This tag is page specific, and will only apply on the page that specifies it.

The reboot will be performed immediately after the tag is parsed.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="Reboot" content="Warm">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
</BODY>
</HTML>
```

See Also

- Application Tag
- Power On Tag
- Writing to the Registry
- Deleting from the Registry
- Commissioning Symbol PocketBrowser

Writing to the Registry

```
HTTP-Equiv="WriteRegSetting"
HTTP-Equiv="WritePersistentRegSetting"
```

When included on a page, the registry setting included in the content parameter, will be entered into the registry. If the `"WritePersistentRegSetting"` tag is used, the setting will also be entered to the file `"\Platform\SIE_Hive_Key_Value.reg"` so that the setting will be persistent after a cold boot or battery failure.

Parameters

```
Content="Hive\Key\Value=Type:data"
```

Hive is one of:

```
HKLM (HKEY_LOCAL_MACHINE)
HKCR (HKEY_CLASSES_ROOT)
HKCU (HKEY_CURRENT_USER)
```

Key = the full key of the setting to be set.

Value = the name of the setting to be set

Type is one of:

```
dword
string
multisz
binary
```

Data = the data to be set.

Remarks

This tag can be used to set or change registry settings on the device for configuration of the device.

On data type's dword, string and multisz literal characters can be submitted by specifying a percent sign followed by the hex ASCII value of the character. E.g. if you wish to add a carriage return line feed to a multisz setting the tag would look like this:

```
<META HTTP-Equiv="WriteRegSetting"
content="HKLM\SIETEST\CRLFTest=multisz:This is the first
line%0D%0AThis is the second line">
```

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="WriteRegSetting"
content="HKLM\ControlPanel\Backlight\ACBacklightOnTap=dword:00000001"
  >
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
```

```
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
  ...
</BODY>
</HTML>
```

See Also

- Application Tag
- Reboot Tag
- Power On Tag
- Deleting from the Registry
- Commissioning Symbol PocketBrowser

Deleting from the Registry

```
HTTP-Equiv="DeleteRegSetting"
HTTP-Equiv="DeletePersistentRegSetting"
```

When included on a page, the registry setting included in the content parameter, will be removed from the registry. If the `"DeletePersistentRegSetting"` tag is used, the setting will also be removed from the file `"\Platform\SIE_Hive_Key_Value.reg"` so that the setting will be persistent after a cold boot or battery failure.

Parameters

```
Content="Hive\Key\Value"
```

Hive is one of:

```
HKLM (HKEY_LOCAL_MACHINE)
HKCR (HKEY_CLASSES_ROOT)
HKCU (HKEY_CURRENT_USER)
```

Key = the full key of the setting to be set.

Value = the name of the setting to be set

Remarks

This tag can be used to remove registry settings on the device for configuration of the device.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="DeleteRegSetting"
content="HKLM\ControlPanel\Backlight\ACBacklightOnTap">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
</BODY>
</HTML>
```

See Also

- Application Tag
- Reboot Tag
- Writing to the Registry
- Power On Tag
- Commissioning Symbol PocketBrowser

CommPort Tag

HTTP-Equiv="CommPort"

When included on a page, this tag will set the Comm port on which data from a serial device will be received.

Parameters

Content="Comn:" where *n* is the number of the comm. Port.

Remarks

This tag is page specific, and will only apply on the page that specifies it.

Serial devices, such as magnetic stripe readers, temperature probes, etc, can be connected to a Symbol device.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="CommPort" content="Com1:">
  <META HTTP-Equiv="CommBaudRate" content="9600">
  <META HTTP-Equiv="CommDataBits" content="8">
  <META HTTP-Equiv="CommStopBits" content="1">
  <META HTTP-Equiv="CommParity" content="None">
  <META HTTP-Equiv="CommHandshake" content="None">
  <META HTTP-Equiv="CommInputOn" content="CRLF">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
</BODY>
</HTML>
```

See Also

- CommBaudRate Tag
- CommDataBitsTag
- CommStopBits Tag
- CommParity Tag
- CommHandshake Tag
- CommInputOn Tag
- CommNavigate Tag

CommBaudRate Tag

HTTP-Equiv="CommBaudRate"

When included on a page, this tag will set the baud rate for the Comm port on which data from a serial device will be received.

Parameters

```
Content="115200"
Content="57600"
Content="38400"
Content="19200"
Content="9600"
Content="4800"
Content="2400"
Content="1200"
Content="600"
Content="300"
```

Remarks

This tag is page specific, and will only apply on the page that specifies it.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="CommPort" content="Com1:">
  <META HTTP-Equiv="CommBaudRate" content="9600">
  <META HTTP-Equiv="CommDataBits" content="8">
  <META HTTP-Equiv="CommStopBits" content="1">
  <META HTTP-Equiv="CommParity" content="None">
  <META HTTP-Equiv="CommHandshake" content="None">
  <META HTTP-Equiv="CommInputOn" content="CRLF">

  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
  ...
</BODY>
</HTML>
```

See Also

- CommPort Tag
- CommDataBitsTag
- CommStopBits Tag
- CommParity Tag
- CommHandshake Tag
- CommInputOn Tag

CommNavigate Tag

CommDataBits Tag

HTTP-Equiv="CommDataBits"

When included on a page, this tag will set the number of data bits on which data from a serial device will be received.

Parameters

Content="8"
Content="7"

Remarks

This tag is page specific, and will only apply on the page that specifies it.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="CommPort" content="Com1:">
  <META HTTP-Equiv="CommBaudRate" content="9600">
  <META HTTP-Equiv="CommDataBits" content="8">
  <META HTTP-Equiv="CommStopBits" content="1">
  <META HTTP-Equiv="CommParity" content="None">
  <META HTTP-Equiv="CommHandshake" content="None">
  <META HTTP-Equiv="CommInputOn" content="CRLF">

  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
  ...
</BODY>
</HTML>
```

See Also

- CommBaudRate Tag
- CommPort Tag
- CommStopBits Tag
- CommParity Tag
- CommHandshake Tag
- CommInputOn Tag
- CommNavigate Tag

CommStopBits Tag

HTTP-Equiv="CommStopBits"

When included on a page, this tag will set the Stop Bits on which data from a serial device will be received.

Parameters

Content="1"

Content="2"

Remarks

This tag is page specific, and will only apply on the page that specifies it.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="CommPort" content="Com1:">
  <META HTTP-Equiv="CommBaudRate" content="9600">
  <META HTTP-Equiv="CommDataBits" content="8">
  <META HTTP-Equiv="CommStopBits" content="1">
  <META HTTP-Equiv="CommParity" content="None">
  <META HTTP-Equiv="CommHandshake" content="None">
  <META HTTP-Equiv="CommInputOn" content="CRLF">

  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
  ...
</BODY>
</HTML>
```

See Also

- CommBaudRate Tag
- CommDataBitsTag
- CommPort Tag
- CommParity Tag
- CommHandshake Tag
- CommInputOn Tag
- CommNavigate Tag

CommParity Tag

HTTP-Equiv="CommParity"

When included on a page, this tag will set the parity on which data from a serial device will be received.

Parameters

Content="None"
 Content="Odd"
 Content="Even"
 Content="Mark"
 Content="Space"

Remarks

This tag is page specific, and will only apply on the page that specifies it.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="CommPort" content="Com1:">
  <META HTTP-Equiv="CommBaudRate" content="9600">
  <META HTTP-Equiv="CommDataBits" content="8">
  <META HTTP-Equiv="CommStopBits" content="1">
  <META HTTP-Equiv="CommParity" content="None">
  <META HTTP-Equiv="CommHandshake" content="None">
  <META HTTP-Equiv="CommInputOn" content="CRLF">

  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
  ...
</BODY>
</HTML>
```

See Also

CommBaudRate Tag
 CommDataBitsTag
 CommStopBits Tag
 CommPort Tag
 CommHandshake Tag
 CommInputOn Tag
 CommNavigate Tag

CommHandshake Tag

HTTP-Equiv="CommHandshake"

When included on a page, this tag will set the handshaking on which data from a serial device will be received.

Parameters

Content="None"
Content="HW"
Content="SW"
Content="Both"

Remarks

This tag is page specific, and will only apply on the page that specifies it.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="CommPort" content="Com1:">
  <META HTTP-Equiv="CommBaudRate" content="9600">
  <META HTTP-Equiv="CommDataBits" content="8">
  <META HTTP-Equiv="CommStopBits" content="1">
  <META HTTP-Equiv="CommParity" content="None">
  <META HTTP-Equiv="CommHandshake" content="None">
  <META HTTP-Equiv="CommInputOn" content="CRLF">

  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
  ...
</BODY>
</HTML>
```

See Also

CommBaudRate Tag
CommDataBitsTag
CommStopBits Tag
CommParity Tag
CommPort Tag
CommInputOn Tag
CommNavigate Tag

CommInputOn Tag

HTTP-Equiv="CommInputOn"

When included on a page, this tag will set the call the JavaScript function or navigate to the page specified in the CommNavigate tag.

Parameters

```
Content="Chars=number"
Content="CRLF"
Content="Endchar=decimal character value"
Content="Time=milliseconds"
```

Remarks

This tag is page specific, and will only apply on the page that specifies it.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="CommPort" content="Com1:">
  <META HTTP-Equiv="CommBaudRate" content="9600">
  <META HTTP-Equiv="CommDataBits" content="8">
  <META HTTP-Equiv="CommStopBits" content="1">
  <META HTTP-Equiv="CommParity" content="None">
  <META HTTP-Equiv="CommHandshake" content="None">
  <META HTTP-Equiv="CommInputOn" content="CRLF">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
</BODY>
</HTML>
```

See Also

- CommBaudRate Tag
- CommDataBitsTag
- CommStopBits Tag
- CommParity Tag
- CommHandshake Tag
- CommPort Tag
- CommNavigate Tag

CommNavigate Tag

HTTP-Equiv="CommNavigate"

When this tag is present, Symbol PocketBrowser will navigate to the link or call the JavaScript function specified in the content parameter of the "ScannerNavigate" tag, after the event specified in the CommInputOn tag is triggered. The data from the comm. port will be populated into the Querystring replacing '%s' parameters.

Parameters

Content="URL to navigate to/JavaScript[Format]"

Remarks

This tag is page specific, and will only apply on the page that specifies it.

You must ensure that there are no more than 1 occurrences of "%s" within the contents field as this will result in unreliable results.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="CommPort" content="Com1:">
  <META HTTP-Equiv="CommBaudRate" content="9600">
  <META HTTP-Equiv="CommDataBits" content="8">
  <META HTTP-Equiv="CommStopBits" content="1">
  <META HTTP-Equiv="CommParity" content="None">
  <META HTTP-Equiv="CommHandshake" content="None">
  <META HTTP-Equiv="CommInputOn" content="CRLF">

  <META HTTP-Equiv="CommNavigate" content="/comm.htm?Data=%s ">

  <!-- or -->

  <META HTTP-Equiv="CommNavigate"
content="Javascript:OnComm( '%s' ); ">

  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  ...
  ...
</BODY>
<SCRIPT>
function OnComm(data)
{
    alert( 'Data received...\n' + data);
}
</SCRIPT>
</HTML>
```

See Also

CommBaudRate Tag
CommDataBitsTag
CommStopBits Tag
CommParity Tag
CommHandshake Tag
CommInputOn Tag
CommPort Tag

NoSIP Edit Control

The NoSIP edit control can be used in place of the standard input control used with most HTML documents. Simply, the standard input control on a pocket pc displays the SIP (standard input panel – soft keyboard) automatically when the control receives input focus. On devices such as the PDT 8100 series, where there is a hard keyboard attached to the device, this is not desirable.

Unlike the standard input control where you would use the `<INPUT TYPE=TEXT>` HTML tag, the NoSIP edit control is an ActiveX Component so should be added using the `<OBJECT>` tag.

The class id for the NoSIP control is "A72D1405-40C2-11D6-918E-00C0DF232EEE".

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <OBJECT ID="txtNoSIP" CLASSID="clsid:A72D1405-40C2-11D6-918E-
00C0DF232EEE" WIDTH=95 HEIGHT=20>
    <PARAM NAME=VALUE VALUE="">
    <PARAM NAME=MAXLENGTH VALUE=30>
    <PARAM NAME=ALIGNMENT VALUE=LEFT>
  </OBJECT></BODY>
</HTML>
```

See Also

- NoSIP - Parameters
- NoSIP - OnKeyPress
- NoSIP - OnKeyUp
- NoSIP - OnKeyDown
- NoSIP - OnChange
- NoSIP - OnClick
- NoSIP – OnFocus
- NoSIP – OnLostFocus
- NoSIP – SetFocus
- NoSIP – ShowSIP

NoSIP - Parameters

The NoSIP Edit Control can be set up with certain characteristics these are:

VALUE, ALIGNMENT, MAXLENGTH, PASSWORD, WIDTH, HEIGHT, FONTNAME, FONTSIZE, FONTBOLD, FONTITALIC, FONTUNDERLINE, FONTFIXEDPITCH and BORDER.

VALUE, ALIGNMENT, MAXLENGTH, FONTNAME, FONTSIZE, FONTBOLD, FONTITALIC, FONTUNDERLINE, FONTFIXEDPITCH, BORDER and PASSWORD are set up using the PARAM tag, WIDTH and HEIGHT are set using the parameters of the OBJECT Tag.

The VALUE parameter sets the default value of the control and is optional.

The ALIGNMENT parameter sets the positioning of the text within the control, valid values are: LEFT, CENTRE and CENTER; and RIGHT. LEFT is default.

When BORDER is set to TRUE (default), a box is drawn round the control to indicate its parameter.

MAXLENGTH determines how many characters can be entered into the control. Default is 0 and 0 is no maximum length.

FONTNAME, FONTSIZE, FONTBOLD, FONTITALIC, FONTUNDERLINE, and FONTFIXEDPITCH effect the appearance of the text shown within the NoSIP control.

If the PASSWORD parameter is set to TRUE, the control displays *s for each character entered.

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <FORM name=frmNS>
    <TABLE ALIGN="center" BORDER=0 CELSPACING=0 CELLPADDING=0
WIDTH="90%">
      <TR ALIGN="left" VALIGN="middle">
        <TD colspan=2>Two NoSIP Controls</TD>
      </TR>
      <TR ALIGN="left" VALIGN="middle">
        <TD colspan=2>&nbsp;  </TD>
      </TR>
      <TR ALIGN="left" VALIGN="middle">
        <TD><small>NoSIP #1</small></TD>
        <TD><small>NoSIP #2</small></TD>
      </TR>
      <TR ALIGN="left" VALIGN="middle">
```

```
<TD><script>nscontrol('nsctrl1');</TD>
<TD><script>nscontrol('nsctrl2');</TD>
</TR>
</TABLE>
<SCRIPT>
function nscontrol(ctrlName){
    document.write('<OBJECT ID="' + ctrlName + '"
CLASSID="clsid:A72D1405-40C2-11D6-918E-00C0DF232EEE" WIDTH=80
HEIGHT=22>\n');
    document.write('    <PARAM NAME=VALUE VALUE="----">\n');
    document.write('    <PARAM NAME=FONTHEIGHT VALUE=16>\n');
    document.write('    <PARAM NAME=FONTBOLD VALUE=FALSE>\n');
    document.write('    <PARAM NAME=FONTITALIC VALUE=FALSE>\n');
    document.write('    <PARAM NAME=FONTUNDERLINE VALUE=FALSE>\n');
    document.write('    <PARAM NAME=FONTFIXEDPITCH VALUE=FALSE>\n');
    document.write('    <PARAM NAME=MAXLENGTH VALUE=6>\n');
    document.write('    <PARAM NAME=ALIGNMENT VALUE=CENTRE>\n');
    document.write('    <PARAM NAME=BORDER VALUE=FALSE>\n');
    document.write('</OBJECT>');
}
</SCRIPT>
</FORM>
</BODY>
</HTML>
```

See Also

- NoSIP – Edit Control
- NoSIP - OnKeyPress
- NoSIP - OnKeyUp
- NoSIP - OnKeyDown
- NoSIP - OnChange
- NoSIP - OnClick
- NoSIP – OnFocus
- NoSIP – OnLostFocus
- NoSIP – SetFocus
- NoSIP – ShowSIP

NoSIP – OnKeyPress Event

This event is fired by the NoSIP control when a key is pressed on the hard keyboard or on the Standard Input Panel.

```
int OnKeyPress( int nKey );
```

nKey contains the ASCII value of the key pressed.

The return value should be 0 to leave the key as is, -1 to cancel the key press or the value of the new key to substitute the key press.

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <OBJECT ID="txtNoSIP" CLASSID="clsid:A72D1405-40C2-11D6-918E-
00C0DF232EEE" WIDTH=95 HEIGHT=20>
    <PARAM NAME=VALUE VALUE="">
    <PARAM NAME=MAXLENGTH VALUE=30>
    <PARAM NAME=ALIGNMENT VALUE=LEFT>
  </OBJECT></BODY>
<SCRIPT>
function OnKeyPress(key) {
  alert(key);
  if (key==10)
    return 13; //change LF for CR
  else if (key==9)
    return -1; //cancel tabs

  return key; //return all others
}
</SCRIPT>

<SCRIPT LANGUAGE=JAVASCRIPT FOR="txtNoSIP" EVENT="OnKeyPress(key)" >
OnKeyPress(key);</SCRIPT>
</HTML>
```

See Also

- NoSIP - Parameters
- NoSIP – Edit Control
- NoSIP - OnKeyUp
- NoSIP - OnKeyDown
- NoSIP - OnChange
- NoSIP - OnClick
- NoSIP – OnFocus
- NoSIP – OnLostFocus
- NoSIP – SetFocus
- NoSIP – ShowSIP

NoSIP – OnKeyUp Event

This event is fired by the NoSIP control when a key is released on the hard keyboard or on the Standard Input Panel.

```
void OnKeyUp( int nKey );
```

nKey contains the ASCII value of the key pressed.

This event cannot be cancelled.

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <OBJECT ID="txtNoSIP" CLASSID="clsid:A72D1405-40C2-11D6-918E-
00C0DF232EEE" WIDTH=95 HEIGHT=20>
    <PARAM NAME=VALUE VALUE="">
    <PARAM NAME=MAXLENGTH VALUE=30>
    <PARAM NAME=ALIGNMENT VALUE=LEFT>
  </OBJECT></BODY>

  <SCRIPT LANGUAGE=JAVASCRIPT FOR="txtNoSIP" EVENT="OnKeyUp(key)">
    alert(key);</SCRIPT>
</HTML>
```

See Also

- NoSIP - Parameters
- NoSIP - OnKeyPress
- NoSIP - Edit Control
- NoSIP - OnKeyDown
- NoSIP - OnChange
- NoSIP - OnClick
- NoSIP – OnFocus
- NoSIP – OnLostFocus
- NoSIP – SetFocus
- NoSIP – ShowSIP

NoSIP – OnKeyDown Event

This event is fired by the NoSIP control when a key is pressed on the hard keyboard or on the Standard Input Panel.

```
void OnKeyDown( int nKey );
```

nKey contains the ASCII value of the key pressed.

This event cannot be cancelled.

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <OBJECT ID="txtNoSIP" CLASSID="clsid:A72D1405-40C2-11D6-918E-
00C0DF232EEE" WIDTH=95 HEIGHT=20>
    <PARAM NAME=VALUE VALUE="">
    <PARAM NAME=MAXLENGTH VALUE=30>
    <PARAM NAME=ALIGNMENT VALUE=LEFT>
  </OBJECT></BODY>

  <SCRIPT LANGUAGE=JAVASCRIPT FOR="txtNoSIP" EVENT="OnKeyDown(key)">
    alert(key);</SCRIPT>
</HTML>
```

See Also

- NoSIP - Parameters
- NoSIP - OnKeyPress
- NoSIP - OnKeyUp
- NoSIP - Edit Control
- NoSIP - OnChange
- NoSIP - OnClick
- NoSIP – OnFocus
- NoSIP – OnLostFocus
- NoSIP – SetFocus
- NoSIP – ShowSIP

NoSIP – OnChange Event

This event is fired by the NoSIP control when the value of the control has changed.

```
void OnChange( void );
```

This event cannot be cancelled.

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <OBJECT ID="txtNoSIP" CLASSID="clsid:A72D1405-40C2-11D6-918E-
00C0DF232EEE" WIDTH=95 HEIGHT=20>
    <PARAM NAME=VALUE VALUE="">
    <PARAM NAME=MAXLENGTH VALUE=30>
    <PARAM NAME=ALIGNMENT VALUE=LEFT>
  </OBJECT></BODY>

  <SCRIPT LANGUAGE=JAVASCRIPT FOR="txtNoSIP" EVENT="OnChange(key)">
    alert('value changed');</SCRIPT>
</HTML>
```

See Also

- NoSIP - Parameters
- NoSIP - OnKeyPress
- NoSIP - OnKeyUp
- NoSIP - OnKeyDown
- NoSIP - Edit Control
- NoSIP - OnClick
- NoSIP – OnFocus
- NoSIP – OnLostFocus
- NoSIP – SetFocus
- NoSIP – ShowSIP

NoSIP – OnClick Event

This event is fired by the NoSIP control is clicked by the stylus.

```
void OnClick( int x, int y);
```

x is the horizontal position of the stylus on the screen in pixels.

y is the vertical position of the stylus on the screen in pixels.

This event cannot be cancelled.

Note: Do not display a message box in the handler of this event as this causes a recurring event to be fired.

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <OBJECT ID="txtNoSIP" CLASSID="clsid:A72D1405-40C2-11D6-918E-
00C0DF232EEE" WIDTH=95 HEIGHT=20>
    <PARAM NAME=VALUE VALUE="">
    <PARAM NAME=MAXLENGTH VALUE=30>
    <PARAM NAME=ALIGNMENT VALUE=LEFT>
  </OBJECT></BODY>

  <SCRIPT LANGUAGE=JAVASCRIPT FOR="txtNoSIP" EVENT="OnClick(x, y)">
txtNoSIP.Value='x=' + x + ' y=' + y;</SCRIPT>
</HTML>
```

See Also

- NoSIP - Parameters
- NoSIP - OnKeyPress
- NoSIP - OnKeyUp
- NoSIP - OnKeyDown
- NoSIP - OnChange
- NoSIP - Edit Control
- NoSIP – OnFocus
- NoSIP – OnLostFocus
- NoSIP – SetFocus
- NoSIP – ShowSIP

NoSIP – OnFocus Event

This event is fired by the NoSIP control when the control receives input focus.

```
void OnFocus( void );
```

This event cannot be cancelled.

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <OBJECT ID="txtNoSIP" CLASSID="clsid:A72D1405-40C2-11D6-918E-
00C0DF232EEE" WIDTH=95 HEIGHT=20>
    <PARAM NAME=VALUE VALUE="">
    <PARAM NAME=MAXLENGTH VALUE=30>
    <PARAM NAME=ALIGNMENT VALUE=LEFT>
  </OBJECT></BODY>

  <SCRIPT LANGUAGE=JAVASCRIPT FOR="txtNoSIP" EVENT="OnFocus()">
    alert('Got Focus');</SCRIPT>
</HTML>
```

See Also

- NoSIP - Parameters
- NoSIP - OnKeyPress
- NoSIP - OnKeyUp
- NoSIP - OnKeyDown
- NoSIP - OnChange
- NoSIP - OnClick
- NoSIP – Edit Control
- NoSIP – OnLostFocus
- NoSIP – SetFocus
- NoSIP – ShowSIP

NoSIP – OnLostFocus Event

This event is fired by the NoSIP control when the control loses input focus.

```
void OnLostFocus( void );
```

This event cannot be cancelled.

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <OBJECT ID="txtNoSIP" CLASSID="clsid:A72D1405-40C2-11D6-918E-
00C0DF232EEE" WIDTH=95 HEIGHT=20>
    <PARAM NAME=VALUE VALUE="">
    <PARAM NAME=MAXLENGTH VALUE=30>
    <PARAM NAME=ALIGNMENT VALUE=LEFT>
  </OBJECT></BODY>

  <SCRIPT LANGUAGE=JAVASCRIPT FOR="txtNoSIP" EVENT="OnLostFocus()">
    alert('Lost Focus');</SCRIPT>
</HTML>
```

See Also

- NoSIP - Parameters
- NoSIP - OnKeyPress
- NoSIP - OnKeyUp
- NoSIP - OnKeyDown
- NoSIP - OnChange
- NoSIP - OnClick
- NoSIP – OnFocus
- NoSIP – Edit Control
- NoSIP – SetFocus
- NoSIP – ShowSIP

NoSIP – SetFocus

This method sets the input focus to the target control.

```
Object.SetFocus (bSelect) ;
```

When bSelect is true any text in the control is highlighted and will be overwritten with the next key press, if false the input caret is placed at the end of the text.

Example

```
<HTML>
<HEAD>
  <META HTTP-Equiv="Scanner" content="Enabled">
  <META HTTP-Equiv="Scanner" content="AutoTab">
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <P align="center"><IMG SRC="symbol.jpg"></P>
  <FORM name="frmNoSIP">
    <TABLE ALIGN="left" BORDER=0 CELLSPACING=0 CELLPADDING=0
    WIDTH="100%">
      <TR ALIGN="left" VALIGN="middle">
        <TD><B>No SIP 1</B>:</TD>
        <TD>
          <OBJECT ID="txtNoSIP" CLASSID="clsid:A72D1405-40C2-11D6-918E-
          00C0DF232EEE" WIDTH=95 HEIGHT=20>
            <PARAM NAME=VALUE VALUE="">
            <PARAM NAME=MAXLENGTH VALUE=30>
            <PARAM NAME=ALIGNMENT VALUE=LEFT>
          </OBJECT>
        </TD>
      </TR>
      <TR ALIGN="left" VALIGN="middle">
        <TD><B>No SIP 2</B>:</TD>
        <TD>
          <OBJECT ID="txtNoSIP1" CLASSID="clsid:A72D1405-40C2-11D6-918E-
          00C0DF232EEE" WIDTH=95 HEIGHT=20>
            <PARAM NAME=VALUE VALUE="">
            <PARAM NAME=MAXLENGTH VALUE=30>
            <PARAM NAME=ALIGNMENT VALUE=LEFT>
          </OBJECT>
        </TD>
      </TR>
      <TR ALIGN="center" VALIGN="middle">
        <TD colspan=2><small>Copyright &copy; 2002 Symbol Technologies
        Ltd.</small></TD>
      </TR>
    </TABLE>
  </BODY>
  <SCRIPT LANGUAGE=JAVASCRIPT>
    txtNoSIP.SetFocus();
  </SCRIPT>
  <SCRIPT LANGUAGE=JAVASCRIPT FOR="txtNoSIP" EVENT="OnKeyPress(key)">
    if (key == 9) {
      txtNoSIP1.SetFocus();
      return -1; //cancel the key press
    }
  </SCRIPT>
```

```
        return 0;    // Leave everything else the same
</SCRIPT>
<SCRIPT LANGUAGE=JAVASCRIPT FOR="txtNoSIP1" EVENT="OnKeyPress(key)">
    if (key == 9) {
        txtNoSIP.SetFocus();
        return -1; //cancel the key press
    }
    return 0;    // Leave everything else the same
</SCRIPT>
</HTML>
```

See Also

- NoSIP - Parameters
- NoSIP - OnKeyPress
- NoSIP - OnKeyUp
- NoSIP - OnKeyDown
- NoSIP - OnChange
- NoSIP - OnClick
- NoSIP – OnFocus
- NoSIP – OnLostFocus
- NoSIP – Edit Control
- NoSIP – ShowSIP

NoSIP – ShowSIP

This Method is used to show or hide the SIP(standard input panel). The SIP will appear in its default position 14 pixels from the bottom of the screen.

```
Object.ShowSIP (bShow) ;
```

When bShow is true the SIP will be shown if not already visible, when false the SIP will be hidden.

Example

```
<HTML>
<HEAD>
    <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
    <OBJECT ID="txtNoSIP" CLASSID="clsid:A72D1405-40C2-11D6-918E-
00C0DF232EEE" WIDTH=95 HEIGHT=20>
        <PARAM NAME=VALUE VALUE="">
        <PARAM NAME=MAXLENGTH VALUE=30>
        <PARAM NAME=ALIGNMENT VALUE=LEFT>
    </OBJECT></BODY>

    <SCRIPT LANGUAGE=JAVASCRIPT FOR="txtNoSIP" EVENT="OnFocus()">
txtNoSIP.ShowSIP(true);</SCRIPT>
    <SCRIPT LANGUAGE=JAVASCRIPT FOR="txtNoSIP" EVENT="OnLostFocus()">
txtNoSIP.ShowSIP(false);</SCRIPT>
</HTML>
```

See Also

- NoSIP - Parameters
- NoSIP - OnKeyPress
- NoSIP - OnKeyUp
- NoSIP - OnKeyDown
- NoSIP - OnChange
- NoSIP - OnClick
- NoSIP – OnFocus
- NoSIP – OnLostFocus
- NoSIP – SetFocus
- NoSIP – Edit Control

Symbol PocketBrowser DLL

The Symbol PocketBrowser DLL contains three ActiveX objects which perform a number of tasks including local printing and retrieval of the device UUID.

The objects are the Generic object, which contains terminal wide function, the NarrowBand object, which contains methods for printing to a 433MHz wireless printer; and the MicroFlash object which contains methods for printing to an O'Neil MicroFlash and compatible printer.

The objects can be implemented in two ways. Firstly it can be created using the `var Generic = new ActiveXObject("SymbolBrowser.Generic")` method, or by the object tag `<OBJECT ID="Generic" CLASSID="CLSID:9928F1E9-B689-4DBA-8B82-E02A7AF76596"></OBJECT>`. Both are create an object by the name of Generic which can be accessed by your JavaScript function but the second is the preferred method.

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <OBJECT ID="Generic" CLASSID="CLSID:9928F1E9-B689-4DBA-8B82-
E02A7AF76596"></OBJECT>
  <OBJECT ID="NarrowBand" CLASSID="CLSID:AE3B4850-4811-4E3C-A4BB-
FEDE80068E28"></OBJECT>
  <OBJECT ID="MicroFlash" CLASSID="CLSID:D54F2BBF-767D-4AC1-BAFE-
A692AB96EA96"></OBJECT>
</BODY>
</HTML>
```

See Also

- Generic
- Microflash
- Narrowband

Generic – UUID

This read only parameter returns the Unique Unit Identification.

The UUID is a 16 character string which can be used to uniquely identify each unit.

This string is based on the GUID structure.

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY OnLoad="alert(Generic.UUID);">
  <OBJECT ID="Generic" CLASSID="CLSID:9928F1E9-B689-4DBA-8B82-
E02A7AF76596"></OBJECT>
</BODY>
</HTML>
```

Generic – ConnectionStatus

This function retrieves information on the current status of the current remote access connection. An application can use this call to determine the status of a connection.

Values are

- Port Open 0x0000.
- Paused 0x1000
- Done 0x2000

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY OnLoad="alert(Generic.ConnectionStatus);">
  <OBJECT ID="Generic" CLASSID="CLSID:9928F1E9-B689-4DBA-8B82-
E02A7AF76596"></OBJECT>
</BODY>
</HTML>
```

Generic – RasConnect

This method establishes a RAS connection between a RAS client and a RAS server.

```
Object.RasConnect(strEntry, strUser, strPwd, strDomain);
```

strEntry should be the name of the phone book entry to be dialed.

strUser is the username that will be used for server authentication.

strPwd is the password that will be used for server authentication.

strDomain is the name of the Domain for which authentication will take place(may be empty).

This method will return after the connection has completed, the ConnectionStatus property should be used to determine if a successful connection was established.

Example

```
<HTML>
<HEAD>
    <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY onload="Javascript:connect();"
onUnload="Javascript:Generic.RasDisconnect("Internet");">
    <OBJECT ID="Generic" CLASSID="CLSID:9928F1E9-B689-4DBA-8B82-
E02A7AF76596"></OBJECT>

</BODY>

<SCRIPT>
function connect(){

    Generic.RasConnect("Internet", "user", "password", "");
    if(Generic.ConnectionStatus)
        alert('Failed to connect');
    else
        alert('Connected');
}
</SCRIPT>
</HTML>
```


Generic – RasDisconnect

This method terminates a RAS connection between a RAS client and a RAS server.

Object.RasDisconnect (strEntry);

strEntry should be the name of the phone book entry to be terminated.

This method will return after the termination has completed.

Example

```
<HTML>
<HEAD>
    <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY onLoad="Javascript:connect();"
onUnLoad="Javascript:Generic.RasDisconnect("Internet");">
    <OBJECT ID="Generic" CLASSID="CLSID:9928F1E9-B689-4DBA-8B82-
E02A7AF76596"></OBJECT>

</BODY>

<SCRIPT>
function connect(){

    Generic.RasConnect("Internet", "user", "password", "");
    if (Generic.ConnectionStatus)
        alert('Failed to connect');
    else
        alert('Connected');
}
</SCRIPT>
</HTML>
```

MicroFlash – AddData

This Method appends ASCII data to the print buffer of the MicroFlash object specified.

```
Object.AddData (strData) ;
```

strData is the data to add.

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <OBJECT ID="MicroFlash" CLASSID="CLSID:D54F2BBF-767D-4AC1-BAFE-
A692AB96EA96"></OBJECT>
</BODY>

<SCRIPT>
  MicroFlash.AddData('Hello');
  MicroFlash.AddData(' ');
  MicroFlash.AddData('World\n');
  MicroFlash.AddLine('From the Symbol PocketBrowser Team');
  MicroFlash.Print(1);
  MicroFlash.Clear();
</SCRIPT>
</HTML>
```

MicroFlash – AddLine

This Method appends ASCII data to the print buffer of the MicroFlash object specified and adds a carriage return and linefeed to the end of the string.

```
Object.AddLine (strData) ;
```

strData is the data to add.

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <OBJECT ID="MicroFlash" CLASSID="CLSID:D54F2BBF-767D-4AC1-BAFE-
A692AB96EA96"></OBJECT>
</BODY>

<SCRIPT>
  MicroFlash.AddData('Hello');
  MicroFlash.AddData(' ');
  MicroFlash.AddData('World\n');
  MicroFlash.AddLine('From the Symbol PocketBrowser Team');
  MicroFlash.Print(1);
  MicroFlash.Clear();
</SCRIPT>
</HTML>
```

MicroFlash – Clear

This Method clears the print buffer of the MicroFlash object specified.

```
Object.Clear();
```

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <OBJECT ID="MicroFlash" CLASSID="CLSID:D54F2BBF-767D-4AC1-BAFE-
A692AB96EA96"></OBJECT>
</BODY>

<SCRIPT>
  MicroFlash.AddData('Hello');
  MicroFlash.AddData(' ');
  MicroFlash.AddData('World\n');
  MicroFlash.AddLine('From the Symbol PocketBrowser Team');
  MicroFlash.Print(1);
  MicroFlash.Clear();
</SCRIPT>
</HTML>
```

See Also

MicroFlash – Print

This Method the print buffer of the MicroFlash object specified to printer connected to the device serial port.

```
Object.Print(iCopies);
```

iCopies is the number of copies to print.

Example

```
<HTML>
<HEAD>
    <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
    <OBJECT ID="MicroFlash" CLASSID="CLSID:D54F2BBF-767D-4AC1-BAFE-
A692AB96EA96"></OBJECT>
</BODY>

<SCRIPT>
    MicroFlash.AddData('Hello');
    MicroFlash.AddData(' ');
    MicroFlash.AddData('World\n');
    MicroFlash.AddLine('From the Symbol PocketBrowser Team');
    MicroFlash.Print(1);
    MicroFlash.Clear();
</SCRIPT>
</HTML>
```

NarrowBand – PSExternal

This method is used to send commands to the Narrowband printer driver.

For a full list of commands refer to the driver documentation (*Symbol Adaptive Printer Driver for Portable Terminals using "PocketPC" Applications: Doc Ref:CPR361 available from printers@uk.symbol.com*).

```
Object.PSExternal (iCommand, strParameter);
```

When bShow is true the SIP will be shown if not already visible, when false the SIP will be hidden.

Example

```
<HTML>
<HEAD>
  <TITLE>Symbol PocketBrowser</TITLE>
</HEAD>
<BODY>
  <OBJECT ID="NarrowBand" CLASSID="CLSID:AE3B4850-4811-4E3C-A4BB-
FEDE80068E28"></OBJECT>

</BODY>

<SCRIPT>
  var printerID = '2350C';
  NarrowBand.PSExternal(261, printerID);
  NarrowBand.PSExternal(257, 'Hello World');

</SCRIPT>
</HTML>
```

Chapter 3

Commissioning Symbol PocketBrowser

Introduction

This section covers the considerations and the process required to customise the installation of Symbol PocketBrowser on a terminal.

As part of the installation of the software on your PC you had the option to install the Commissioning files, these files are the contents of the CAB file which is transferred and run on your Pocket PC. You will need to add and remove some of these files to make a package which more suits your needs.

CAB File Contents

CAB files are a bit like zip files in that they hold compressed information about the files that will be installed by a set-up program. Information on CAB files is readily available on the internet.

The Symbol PocketBrowser CAB file contains the following compressed files:

SymbolPB.EXE	The Symbol PocketBrowser program.
gx.dll	This file must be included in the CAB file.
NoSIP.dll	System Library.
pwr.dll	This file must be included in the CAB file.
SymbolBrowser.dll	Program Library.
SIE.cpy	This file must be included in the CAB file.
Sample HTML Files	Program Driver.
Symbol.JPG	This file must be included in the CAB file.
SIE.reg	Program Library.
	This file must be included in the CAB file.
	Copies the program files to the appropriate locations.
	This file must be included in the CAB file.
	Demonstration offline website.
	These files can be optionally included.
	Demonstration offline website.
	This file can be optionally included.
	Registry settings for the program.

SIE_CLS.reg	This file must be included in the CAB file. Registry settings for the DLL's.
Symbol PocketBrowser.lnk	This file must be included in the CAB file. Shortcut to the program. This file can be optionally included.

The following files are used to build the CAB and Set-up files:

cabwiz.exe	Program for building cab files.
ezsetup.exe	Program for building the set-up file.
makecab.exe	Program for building cab files.
Install.ini	Information for the set-up program.
cabwiz.ddf	Required by cabwiz.exe
builcab.bat	Batch file to run when building the cab file.
makesetup.bat	Batch file to run when building the set-up file.
SPB.inf	Information about the cab file.
EULA.txt	End User Licence Agreement. This file MUST included in all set-up files, if it is not included you will be in breach of copyright laws.
Readme.txt	Information regarding the set-up file build.

As indicated in the table above, some of the files must be included in the CAB file. These files are necessary for the program to execute successfully. Furthermore the EULA.txt file must be included with every set-up file you create.

Modifying The CAB File

The file SPB.inf contains all the information that is used to build the CAB file, before modifying this file you should familiarise yourself with CAB file structures available on the internet.

If you wish to simply add an offline website to your device to similar to the standard demonstration that is installed with the default CAB file you will need to modify the sections labelled [SourceDisksFiles.ARM], [Files.ARM] and [Files.AppPersistent]. For simplicity you could replace the standard demo files, which are all the ".htm" files, with your own ".htm" files.

More commonly you will want to simply modify the home page of your web site, where the browser will initially navigate to. To do this you will need to modify two file, SPB.inf and SIE.reg (*see Appendix A and C*). Modifying SPB.inf will change the home page immediately after installation, changing SIE.reg will make sure the setting will be persistent, survive a cold boot or battery failure.

In SPB.inf you will find the section [RegSettings.All], in this section there are a number of registry settings, the settings you should change are:

```
HKLM,SOFTWARE\Microsoft\Internet Explorer>AboutURLs,blank
HKLM,SOFTWARE\Microsoft\Internet Explorer>AboutURLs,home
HKLM,SOFTWARE\Microsoft\Internet Explorer>AboutURLs,search
HKCU,SOFTWARE\Microsoft\Internet Explorer\Main,Start Page
```

These are the settings used by the browser for the special links About:home, About:blank and About:search. About:home will be used as the initial page of Symbol PocketBrowser unless Start Page contains a value.

In SIE.reg there are the same settings these should also be modified.

For more information on “.reg” files see the SDK help file “Windows CE Software Developer’s Kit for Symbol Terminals” and search for “RegMerge”.

You can add as many “.reg” files as you wish to the CAB file to configure other device settings, such as the WLAN card or backlight settings.

Automatically Starting Symbol PocketBrowser

It is likely you will want to prevent your general users from accessing the operating system of your Pocket PC, this is very easy to achieve. You will notice that included in the CAB file is a “.lnk” file, this file needs to be copied to the \windows\startup folder of the Pocket PC. The startup folder behaves in the same way to that of your PC, during the boot sequence the OS will run each program that is located in this folder.

To ensure that the file is copied to this folder when the device is cold booted you will need to create a “.CPY” file. For more information on “.cpy” files see the SDK help file “Windows CE Software Developer’s Kit for Symbol Terminals” and search for “Copy Files”.

Building Your Custom CAB File

After you have modified the “.INF” file you can run BUILD CAB.BAT on your PC. This process will delete the existing CAB file and create a new one based on SPB.inf. You should check the file err.txt after each build to see if any errors have occurred. For more detailed information on CAB files see the Microsoft web site.

Appendix

Appendix A – SPB.inf

```
[Version]
;DO NOT MODIFY THIS SECTION
;-----
Signature = "$Windows NT$"
Provider = "Symbol Technologies Ltd."
CESignature = "$Windows CE$"

[CEStrings]
AppName = "Symbol PocketBrowser"
InstallDir = "\\program files"

[CEDevice]
;DO NOT MODIFY THIS SECTION
;-----
VersionMin = 3.0
VersionMax = 3.0

[CEDevice.STRONGARM]
;DO NOT MODIFY THIS SECTION
;-----
ProcessorType = 2577

[DefaultInstall]
AddReg = RegSettings.All
CEShortcuts = Shortcuts

[DefaultInstall.ARM]
CopyFiles = Files.ARM,Files.System,Files.Persistent,Files.AppPersistent

[SourceDisksNames]
1 = , "Common", , .
[SourceDisksNames.ARM]
2 = , "ARM Files", , .

[SourceDisksFiles]

[SourceDisksFiles.ARM]
SymbolPB.exe= 2
gx.dll = 2
NoSIP.dll = 2
pwrddl.dll = 2
SymbolBrowser.dll = 2
SIE.cpy = 2
Battoff.htm = 2
```

```

BattRF.htm = 2
print.htm = 2
Menu.htm = 2
noSIP.htm = 2
Quit.htm = 2
RFOff.htm = 2
scan.htm = 2
scaninput.htm = 2
SYMBOL.jpg = 2
SIE.Reg = 2
SIE_cls.Reg = 2
Symbol PocketBrowser.lnk = 2

[DestinationDirs]
Files.ARM = 0, \program files
Files.System = 0, %CE2%
Files.AppPersistent = 0, \Application\SymbolPB
Files.Persistent = 0, \Application
Shortcuts = 0, %CE2%\Start Menu

```

```

[Files.ARM]
"SymbolPB.exe",,,0x40000000
"gx.dll",,,0x40000000
"pwrddl.dll",,,0x40000000
"NoSIP.dll",,,0x40000000
"SymbolBrowser.dll",,,0x40000000
"Battoff.htm",,,0x40000000
"BattRF.htm",,,0x40000000
"Menu.htm",,,0x40000000
"noSIP.htm",,,0x40000000
"Quit.htm",,,0x40000000
"print.htm",,,0x40000000
"RFOff.htm",,,0x40000000
"scan.htm",,,0x40000000
"scaninput.htm",,,0x40000000
"SYMBOL.jpg",,,0x40000000
"Symbol PocketBrowser.lnk",,,0x40000000

```

```

[Files.AppPersistent]
"SymbolPB.exe",,,0x40000000
"gx.dll",,,0x40000000
"pwrddl.dll",,,0x40000000
"NoSIP.dll",,,0x40000000
"SymbolBrowser.dll",,,0x40000000
"Battoff.htm",,,0x40000000
"BattRF.htm",,,0x40000000
"Menu.htm",,,0x40000000
"noSIP.htm",,,0x40000000
"Quit.htm",,,0x40000000
"print.htm",,,0x40000000
"RFOff.htm",,,0x40000000
"scan.htm",,,0x40000000
"scaninput.htm",,,0x40000000
"SYMBOL.jpg",,,0x40000000
"Symbol PocketBrowser.lnk",,,0x40000000

```

```

[Files.Persistent]
"SIE.Reg",,,0x40000000
"SIE_cls.Reg",,,0x40000000

```

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```
"SIE.cpy",,,0x40000000

[Files.System]
"gx.dll",,,0x40000000
"pwrddl.dll",,,0x80000000
"NoSIP.dll",,,0x40000000
"SymbolBrowser.dll",,,0x40000000

[Shortcuts]
%AppName%,0,SymbolPB.exe,%CE17%

[RegSettings.All]
HKLM,SOFTWARE\Microsoft\Internet
Explorer\AboutURLs,blank,0x00000000,file://\program files\menu.htm
HKLM,SOFTWARE\Microsoft\Internet
Explorer\AboutURLs,home,0x00000000,file://\program files\menu.htm
HKLM,SOFTWARE\Microsoft\Internet
Explorer\AboutURLs,search,0x00000000,file://\program files\menu.htm
HKLM,SOFTWARE\Microsoft\Windows\CurrentVersion\Internet
Settings\Cache\Content,CacheLimit,0x00010001,1
HKLM,SOFTWARE\Microsoft\Windows\CurrentVersion\Internet
Settings\Cache\Content,CachePath,0x00000000,\Windows\Temporary Internet
Files\
HKCU,SOFTWARE\Microsoft\Internet
Explorer\Main,ShowScriptErrors,0x00010001,1
HKCU,SOFTWARE\Microsoft\Internet Explorer\Main,Start
Page,0x00010001,file://\program files\menu.htm

;DO NOT MODIFY BELOW THIS LINE
;-----
HKCR,NoSIP.NSEdit.1,,0x00000000,NSEdit Class
HKCR,NoSIP.NSEdit.1\CLSID,,0x00000000,{A72D1405-40C2-11D6-918E-
00C0DF232EEE}
HKCR,NoSIP.NSEdit,,0x00000000,NSEdit Class
HKCR,NoSIP.NSEdit\CLSID,,0x00000000,{22A77DC4-3D98-11D6-9189-00C0DF232EEE}
HKCR,NoSIP.NSEdit\CurVer,,0x00000000,NoSIP.NSEdit.1
HKCR,CLSID\{A72D1405-40C2-11D6-918E-00C0DF232EEE},,0x00000000,NoSIP Class
HKCR,CLSID\{A72D1405-40C2-11D6-918E-00C0DF232EEE}\Programmable,,0x00000000
HKCR,CLSID\{A72D1405-40C2-11D6-918E-
00C0DF232EEE}\ProgID,,0x00000000,NoSIP.NSEdit.1
HKCR,CLSID\{A72D1405-40C2-11D6-918E-
00C0DF232EEE}\VersionIndependentProgID,,0x00000000,NoSIP.NSEdit
HKCR,CLSID\{A72D1405-40C2-11D6-918E-
00C0DF232EEE}\InprocServer32,,0x00000000,\Windows\NoSIP.dll
HKCR,CLSID\{A72D1405-40C2-11D6-918E-
00C0DF232EEE}\ToolboxBitmap32,,0x00000000,"\\Windows\NoSIP.dll, 101"
HKCR,CLSID\{A72D1405-40C2-11D6-918E-00C0DF232EEE}\MiscStatus,,0x00000000,0
HKCR,CLSID\{A72D1405-40C2-11D6-918E-
00C0DF232EEE}\MiscStatus\1,,0x00000000,131473
HKCR,CLSID\{A72D1405-40C2-11D6-918E-
00C0DF232EEE}\MiscStatus\1\ThreadingModel,,0x00000000,Apartment
HKCR,CLSID\{A72D1405-40C2-11D6-918E-
00C0DF232EEE}\TypeLib,,0x00000000,{A72D13F9-40C2-11D6-918E-00C0DF232EEE}
HKCR,CLSID\{A72D1405-40C2-11D6-918E-00C0DF232EEE}\Version,,0x00000000,1.0

HKCR,SymbolBrowser.NarrowBand.1,,0x00000000,NarrowBand Class
HKCR,SymbolBrowser.NarrowBand.1\CLSID,,0x00000000,{AE3B4850-4811-4E3C-A4BB-
FEDE80068E28}
HKCR,SymbolBrowser.NarrowBand,,0x00000000,NarrowBand Class
```

```

HKCR,SymbolBrowser.NarrowBand\CLSID,,0x00000000,{AE3B4850-4811-4E3C-A4BB-FEDE80068E28}
HKCR,SymbolBrowser.NarrowBand\CurVer,,0x00000000,SymbolBrowser.NarrowBand.1
HKCR,CLSID\{AE3B4850-4811-4E3C-A4BB-FEDE80068E28},,0x00000000,NarrowBand
Class
HKCR,CLSID\{AE3B4850-4811-4E3C-A4BB-FEDE80068E28}\ProgID,,0x00000000,SymbolBrowser.NarrowBand.1
HKCR,CLSID\{AE3B4850-4811-4E3C-A4BB-FEDE80068E28}\VersionIndependentProgID,,0x00000000,SymbolBrowser.NarrowBand
HKCR,CLSID\{AE3B4850-4811-4E3C-A4BB-FEDE80068E28}\InprocServer32,,0x00000000,\Windows\SymbolBrowser.dll
HKCR,CLSID\{AE3B4850-4811-4E3C-A4BB-FEDE80068E28}\ToolboxBitmap32,,0x00000000,"\Windows\SymbolBrowser.dll, 103"
HKCR,CLSID\{AE3B4850-4811-4E3C-A4BB-FEDE80068E28}\MiscStatus,,0x00000000,0
HKCR,CLSID\{AE3B4850-4811-4E3C-A4BB-FEDE80068E28}\MiscStatus\1,,0x00000000,131473
HKCR,CLSID\{AE3B4850-4811-4E3C-A4BB-FEDE80068E28}\TypeLib,,0x00000000,{C29D0775-80B4-4D9B-B4EE-4030A2FDC88}
HKCR,CLSID\{AE3B4850-4811-4E3C-A4BB-FEDE80068E28}\Version,,0x00000000,1.0

HKCR,SymbolBrowser.MicroFlash.1,,0x00000000,MicroFlash Class
HKCR,SymbolBrowser.MicroFlash.1\CLSID,,0x00000000,{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96}
HKCR,SymbolBrowser.MicroFlash,,0x00000000,MicroFlash Class
HKCR,SymbolBrowser.MicroFlash\CLSID,,0x00000000,{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96}
HKCR,SymbolBrowser.MicroFlash\CurVer,,0x00000000,SymbolBrowser.MicroFlash.1
HKCR,CLSID\{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96},,0x00000000,MicroFlash
Class
HKCR,CLSID\{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96}\ProgID,,0x00000000,SymbolBrowser.MicroFlash.1
HKCR,CLSID\{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96}\VersionIndependentProgID,,0x00000000,SymbolBrowser.MicroFlash
HKCR,CLSID\{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96}\InprocServer32,,0x00000000,\Windows\SymbolBrowser.dll
HKCR,CLSID\{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96}\ToolboxBitmap32,,0x00000000,"\Windows\SymbolBrowser.dll, 105"
HKCR,CLSID\{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96}\Control,,0x00000000
HKCR,CLSID\{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96}\Insertable,,0x00000000
HKCR,CLSID\{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96}\Programmable,,0x00000000
HKCR,CLSID\{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96}\MiscStatus,,0x00000000,0
HKCR,CLSID\{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96}\MiscStatus\1,,0x00000000,131473
HKCR,CLSID\{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96}\TypeLib,,0x00000000,{C29D0775-80B4-4D9B-B4EE-4030A2FDC88}
HKCR,CLSID\{D54F2BBF-767D-4AC1-BAFE-A692AB96EA96}\Version,,0x00000000,1.0

HKCR,SymbolBrowser.Generic.1,,0x00000000,Generic Class
HKCR,SymbolBrowser.Generic.1\CLSID,,0x00000000,{9928F1E9-B689-4DBA-8B82-E02A7AF76596}
HKCR,SymbolBrowser.Generic,,0x00000000,Generic Class
HKCR,SymbolBrowser.Generic\CLSID,,0x00000000,{9928F1E9-B689-4DBA-8B82-E02A7AF76596}
HKCR,SymbolBrowser.Generic\CurVer,,0x00000000,SymbolBrowser.Generic.1
HKCR,CLSID\{9928F1E9-B689-4DBA-8B82-E02A7AF76596},,0x00000000,Generic Class
HKCR,CLSID\{9928F1E9-B689-4DBA-8B82-E02A7AF76596}\ProgID,,0x00000000,SymbolBrowser.Generic.1
HKCR,CLSID\{9928F1E9-B689-4DBA-8B82-E02A7AF76596}\Control,,0x00000000
HKCR,CLSID\{9928F1E9-B689-4DBA-8B82-E02A7AF76596}\Insertable,,0x00000000
HKCR,CLSID\{9928F1E9-B689-4DBA-8B82-E02A7AF76596}\Programmable,,0x00000000

```

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```
HKCR,CLSID\{9928F1E9-B689-4DBA-8B82-E02A7AF76596}\VersionIndependentProgID,,0x00000000,SymbolBrowser.Generic
HKCR,CLSID\{9928F1E9-B689-4DBA-8B82-E02A7AF76596}\InprocServer32,,0x00000000,\Windows\SymbolBrowser.dll
HKCR,CLSID\{9928F1E9-B689-4DBA-8B82-E02A7AF76596}\ToolboxBitmap32,,0x00000000,"\\Windows\SymbolBrowser.dll, 101"
HKCR,CLSID\{9928F1E9-B689-4DBA-8B82-E02A7AF76596}\MiscStatus,,0x00000000,0
HKCR,CLSID\{9928F1E9-B689-4DBA-8B82-E02A7AF76596}\MiscStatus\1,,0x00000000,132497
HKCR,CLSID\{9928F1E9-B689-4DBA-8B82-E02A7AF76596}\TypeLib,,0x00000000,{C29D0775-80B4-4D9B-B4EE-4030A2FCDC88}
HKCR,CLSID\{9928F1E9-B689-4DBA-8B82-E02A7AF76596}\Version,,0x00000000,1.0
```

```
HKCR,TypeLib\{C29D0775-80B4-4D9B-B4EE-4030A2FCDC88}\1.0\0,,0x00000000,\Windows\SymbolBrowser.dll
HKCR,TypeLib\{C29D0775-80B4-4D9B-B4EE-4030A2FCDC88}\1.0\0\win32,,0x00000000,\Windows\SymbolBrowser.dll
HKCR,TypeLib\{A72D13F9-40C2-11D6-918E-00C0DF232EEE}\1.0\0,,0x00000000,\Windows\NoSIP.dll
HKCR,TypeLib\{A72D13F9-40C2-11D6-918E-00C0DF232EEE}\1.0\0\win32,,0x00000000,\Windows\NoSIP.dll
```

Appendix B – install.ini

[CEAppManager]

Version = 1.0

Component = SymbolPB

[SymbolPB]

Description = Symbol PocketBrowser for PocketPC-2002

Uninstall = SymbolPB

CabFiles = SPB.arm.cab

Appendix C – SIE.reg

REGEDIT4

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Internet Explorer\AboutURLs]
"blank"="file:///\\Program Files\\menu.htm"
"home"="file:///\\Program Files\\menu.htm"
"search"="file:///\\Program Files\\menu.htm"

[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Internet
Settings\Cache\Content]
"CacheLimit"=dword:00000001
"CachePrefix"=""
"CachePath"="\\Windows\\Temporary Internet Files\\"

[HKEY_CURRENT_USER\SOFTWARE\Microsoft\Internet Explorer\Main]
"Start Page"="file:///\\Program Files\\menu.htm"
"ShowScriptErrors"=dword:00000001
```


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